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# ARMY IT DAY • 2006

11•JULY•2006

**LandWarNet On Point...**  
**Knowledge Dominance Through**  
**Collaboration and Information Superiority**

**LTG Steven W. Boutelle**

*Chief Information Officer/G-6*

**CALL TO DUTY: BOOTS ON THE GROUND**

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Welcome



# *LandWarNet - On Point*

..... how the Army is achieving Decision Dominance on the battlefield through a Knowledge-based Fighting Force



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# The Armed Forces Communications and Electronics Association



...what we've  
learned

...what  
worked!

...what did  
not work!

...what we  
need help with!

A Close military-  
civilian partnership is  
indispensable to  
ensuring Information  
Technology  
capabilities are  
properly leveraged to  
serve the national  
defense



...what we are  
working on

...new solutions

...new  
technology

...how can we  
help?

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# Great Speaking "Team"



**Lt Gen Michael Peterson, USAF**  
Chief of Warfighting Integration  
&  
Chief Information Officer



**MG "Butch" PAIR, USA**  
Defense Business Systems Acquisition  
Executive  
Office of the Secretary of Defense



**BG Jeffrey W. Foley, USA**  
Director of Architecture Operations,  
Networks & Space  
Army CIO/G-6



**CPT Gregory Moore, USA**  
Two tours in OIF,  
Author of white paper on "10 Principles  
of Intelligence on the Battlefield"



**LTG David Melcher, USA**  
Deputy Chief of Staff for  
Programs/G-8  
Incoming Military Deputy for Budget for  
ASA (FM&C)



**LTG Joseph L. Yakovac, Jr., USA**  
Military Deputy to the Assistant  
Secretary of the Army for Acquisition,  
Logistics and Technology



**Mr. Vernon M. Bettencourt, Jr., USA**  
Deputy Chief Information Officer/G-6



**Mr. Kevin Carroll, USA**  
Program Executive Officer,  
Enterprise Information Systems



**GEN Benjamin S. Griffin, USA**  
Commanding General  
U.S. Army Materiel Command



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# Great Speaking "Team"

Our Luncheon Speaker



Lt Gen Michael Pet  
Chief of Warfighting



MG "Butch"  
Defense E  
Execu  
Office of



BG Jeff  
Director  
Netw  
Army Cl



CPT Gre  
Two tours  
Author of w  
of Intelligence



LTG David Me  
Deputy Chief of Sta  
Programs/G-8  
Incoming Military Deputy  
ASA (FM&C)



L. Yakovac, Jr., USA  
to the Assistant  
Army for Acquisition,  
Technology

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tion Officer/G-6

USA  
Officer,  
ation Systems

S. Griffin, USA  
g General  
y Materiel Command





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# Small Business Parallel Session

0900 - 1130

- **Jackie Robinson-Burnette** - Associate Director, Small Business Programs, Army Contracting Agency (ACA) Information Technology, E-Commerce, and Commercial Contracting Center (ITEC4)
- **COL Anthony Incorvati** - Contracts Division Chief, Army Contracting Agency, ITEC4
- **Joan Underwood** - Contracting Officer (Team Leader), Army Contracting Agency, ITEC4
- **Kathy Finigan** - Director, System of Systems Integration & Ops SAAL-SSI
- **Michelina Laforgia** - Assistant Program Manager, Army Small Computer Program
- **Jeff Snider** - Senior Director of Bids and Proposals, GTSI
- **Darryl D. Rekemeyer** - Director, Ft. Detrick Business Development Office
- **James Regan** - Director, Procurement Technical Assistance Program, George Mason University
- **Gary Winkler** - Director, Governance, Acquisition, & Chief Knowledge Office, Office of the Army CIO/G-6

1330 - 1600

- **Meet with Army Small Biz Reps and Small Biz Liaisons from Large Businesses**

- ♦ **Jackie Robinson-Burnette** - Associate Director, Small Business Programs, ACA ITEC4
- ♦ **Jana Tull** - Small Business Advocate, U.S. Army Materiel Command, Fort Belvoir
- ♦ **James Regan** - Director, Procurement Technical Assistance Program, George Mason University
- ♦ **Darryl D. Rekemeyer** - Director, Ft. Detrick Business Development Office
- ♦ **Booz Allen Hamilton** - Small Business Liaison
- ♦ **Compuware** - Small Business Liaison
- ♦ **CSC** - Small Business Liaison
- ♦ **L-3 Communications / Titan Group** - Small Business Liaison
- ♦ **SAIC** - Small Business Liaison
- ♦ ...among others

- **Educate Small Business on how to interact with a Government Agency**
- **Provide “how-to” information**
- **Facilitate networking**

**All in the  
Junior  
Ballroom**

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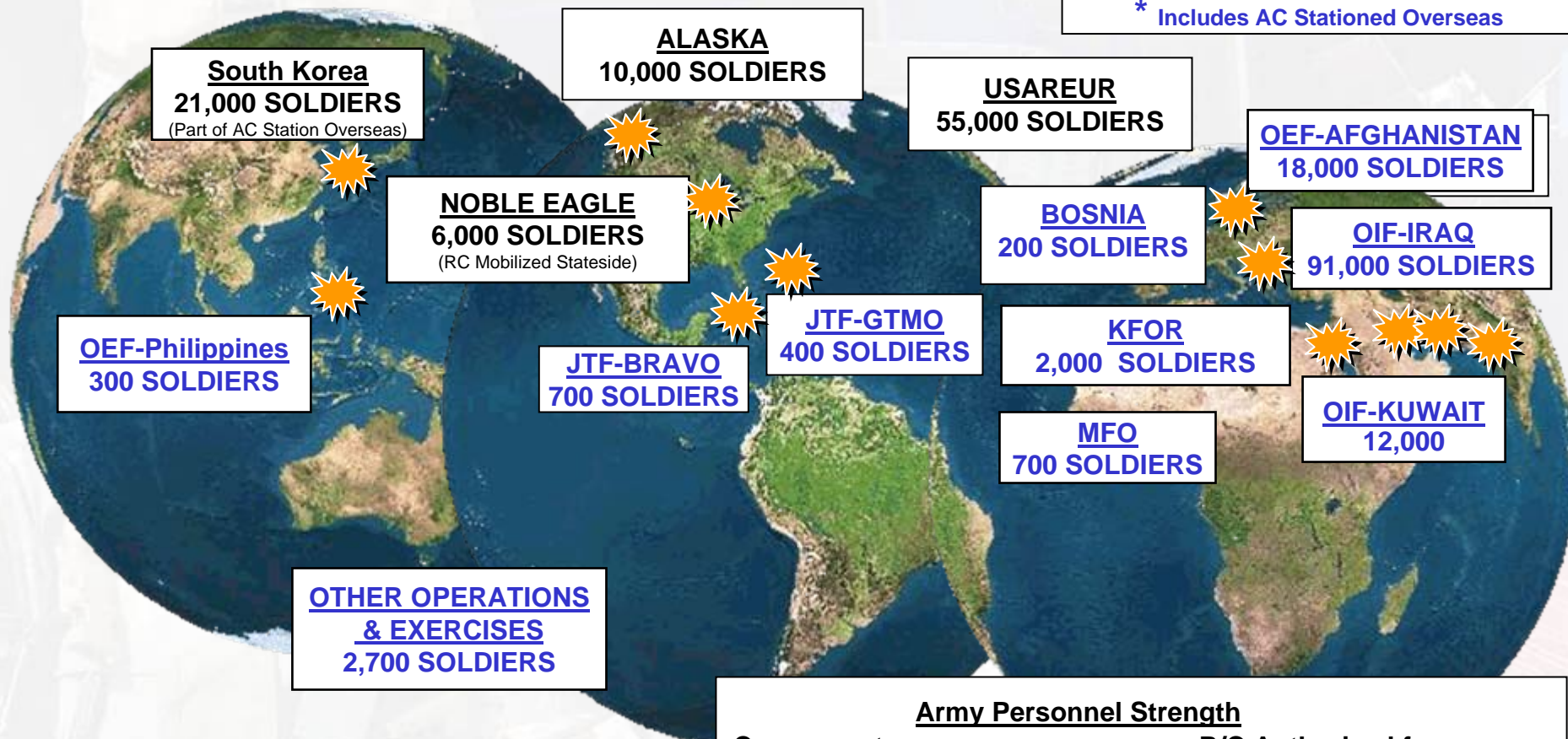


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# Army Global Commitments

**237,000\* Soldiers overseas  
in 120 countries**

\* Includes AC Stationed Overseas



**AC STATIONED OVERSEAS 109,000**

**AC STATIONED STATESIDE 379,000**

AS OF 04 JULY 06

## Army Personnel Strength

<u>Component</u>	<u>R/C Authorized for Mobilization / On Current Orders</u>	
- Active (AC)	488,000	N/A
- Reserve (RC)		
USAR	188,000	33,000
ARNG	340,000	55,000
	1,016,000	

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# The Call to Duty

## A campaign quality Army with Joint and Expeditionary capabilities



- **Provide Relevant and Ready Landpower**
  - ◆ Modernize the current force through the Future Combat Systems and key supporting programs. . . ***Sustaining development of advanced technologies, and developing the Joint Network Node and LandWarNet. . . .***
- **Train and Equip Soldiers and Grow Adaptive Leaders**
  - ◆ Enhancing our ***education and training programs*** – at our home stations, our Combat Training Centers, and across our institutional training base.
- **Sustain an All-Volunteer Force**
  - ◆ Working to match the quality of life that our Soldiers and Families enjoy to the quality of service they provide
- **Provide Infrastructure and Support**
  - ◆ Investing in our bases that house and deploy our Soldiers. . . depots, arsenals, and the ***information network that connects them.***

***“Posturing for the long war”***

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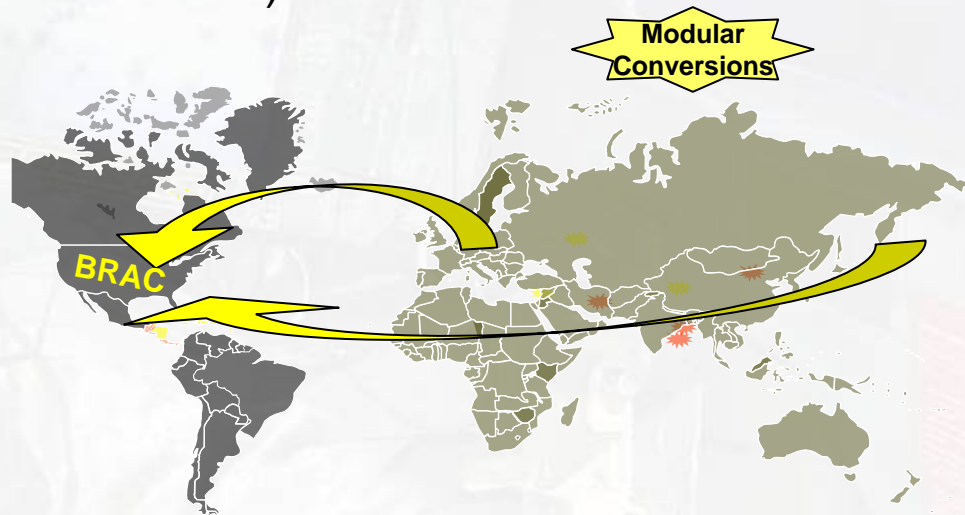
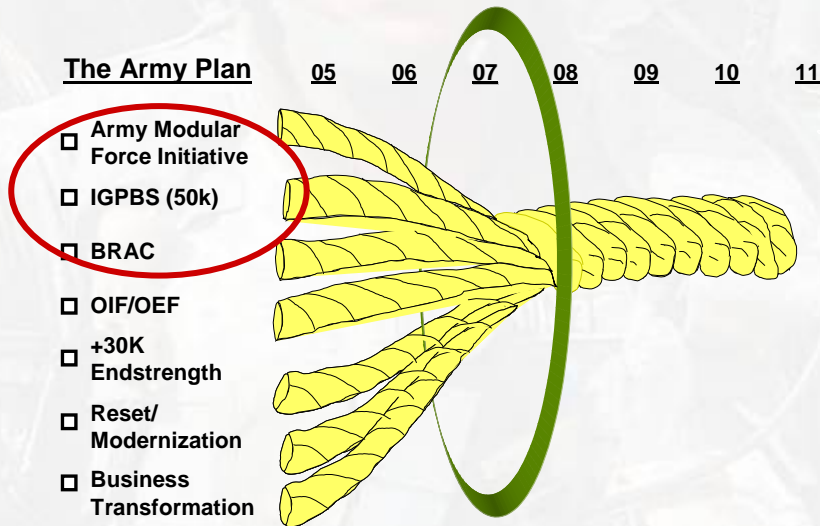


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# The Army is Very Busy and on the Move...

- Continue to fight and win the GWOT
- Transform the way we Fight, Operate & Support
  - \* Division Centric to Brigade Centric Force (AMF)
  - \* Bring Units home from Germany & Korea (IGPBS)
  - \* Reshape our Forts, Camps and Arsenals (BRAC05)
  - \* Become 'Lean' (Business Transformation)



- Transform from Global Stationing to Home Based
- **End State: 90% of the Force Home Based in U.S.**
- 1/3 of the Army moving due to AMF, IGPBS & BRAC

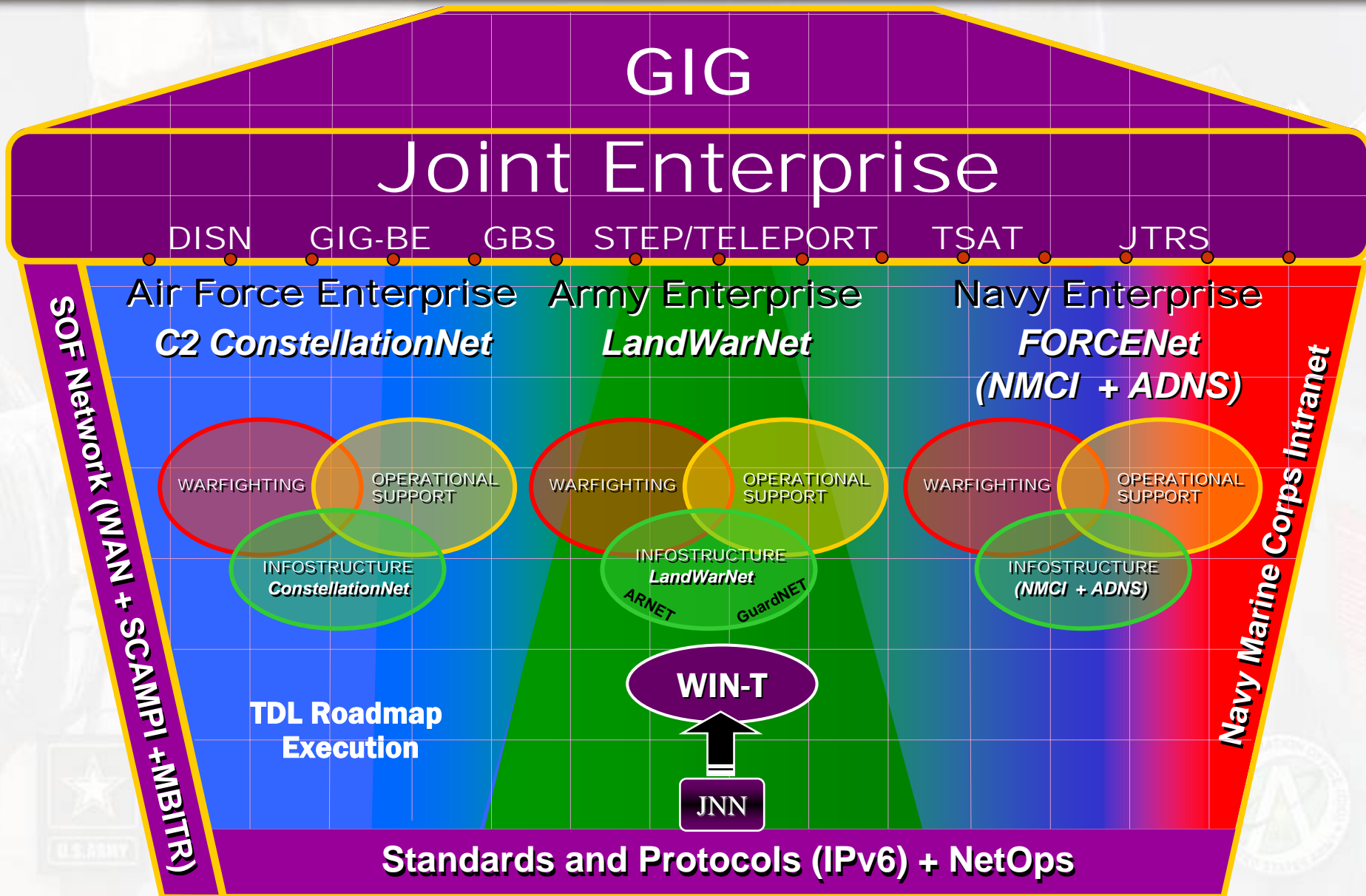




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# Global Information Grid (GIG)







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# Military Global Information Grid (GIG) Flattening the Warfighter's World



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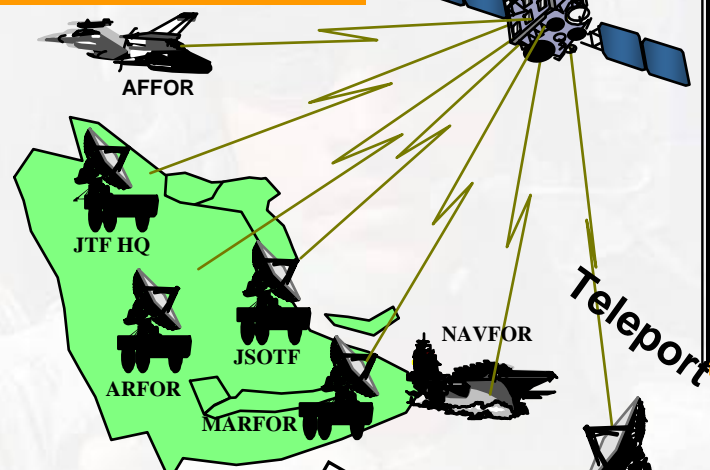
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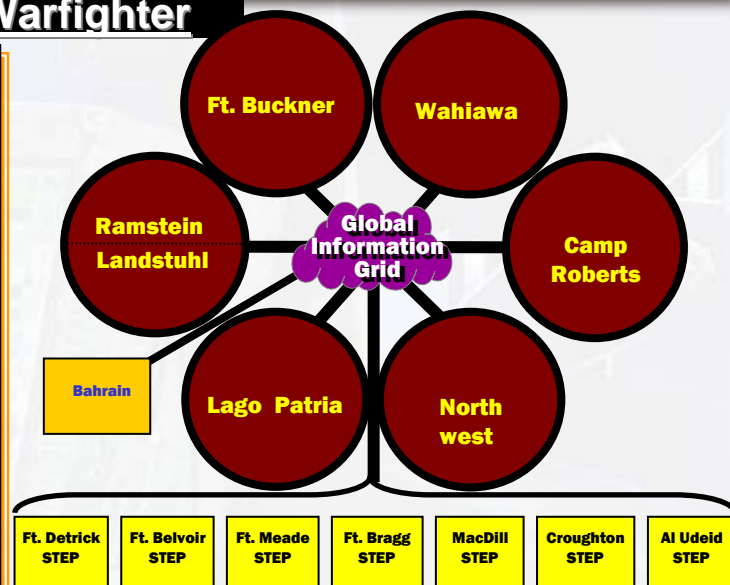
# Teleport "In Context"

**Provide Seamless Communications Support to the Warfighter**

**Deployed Users  
Reachback  
Capability**



- Based on lessons learned from Desert Storm
- Upgrade 6 Operational sites
- Minimum 2 Teleports in view to Warfighter anywhere around the globe



**DISN  
Services**



Voice

Secure voice

Classified  
Unclassified  
Data

VTC



**Sustaining Base**

- **Generation I (FY 02-07)**
  - IOC 1 (FY04) - Implement C & Ku bands
  - IOC 2 (FY06) - Implement UHF
  - IOC 3 (FY06) - Implement:
    - additional C, Ku, UHF and expand to 6 core sites
    - EHF (LDR/MDR) & add a secondary site in Bahrain
  - IOC 4 (FY07) – Implement initial Ka integration
- **Generation II (FY 04-08) – Expand Mil-Ka, Initial IP capability**
- **Generation III (FY 08-12)**
  - Implement Advanced Systems (AEHF, MUOS)
  - Full IP Capability
  - Potential for additional Teleport sites
  - FOC
- **Potential Generation IV (FY 13-out) (TBD)**
  - Implement TSAT





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# Train as we fight



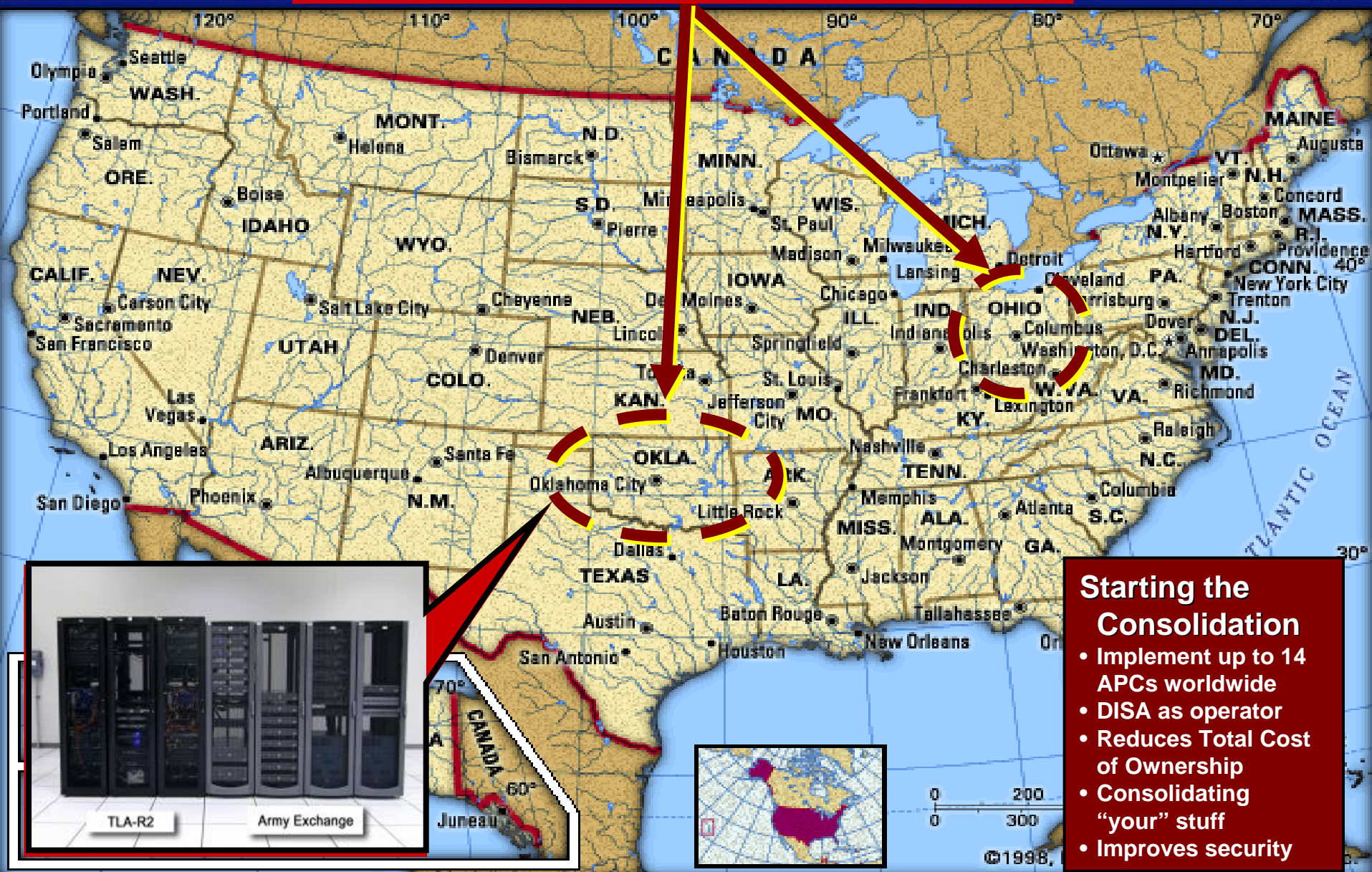
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# Area Processing Centers





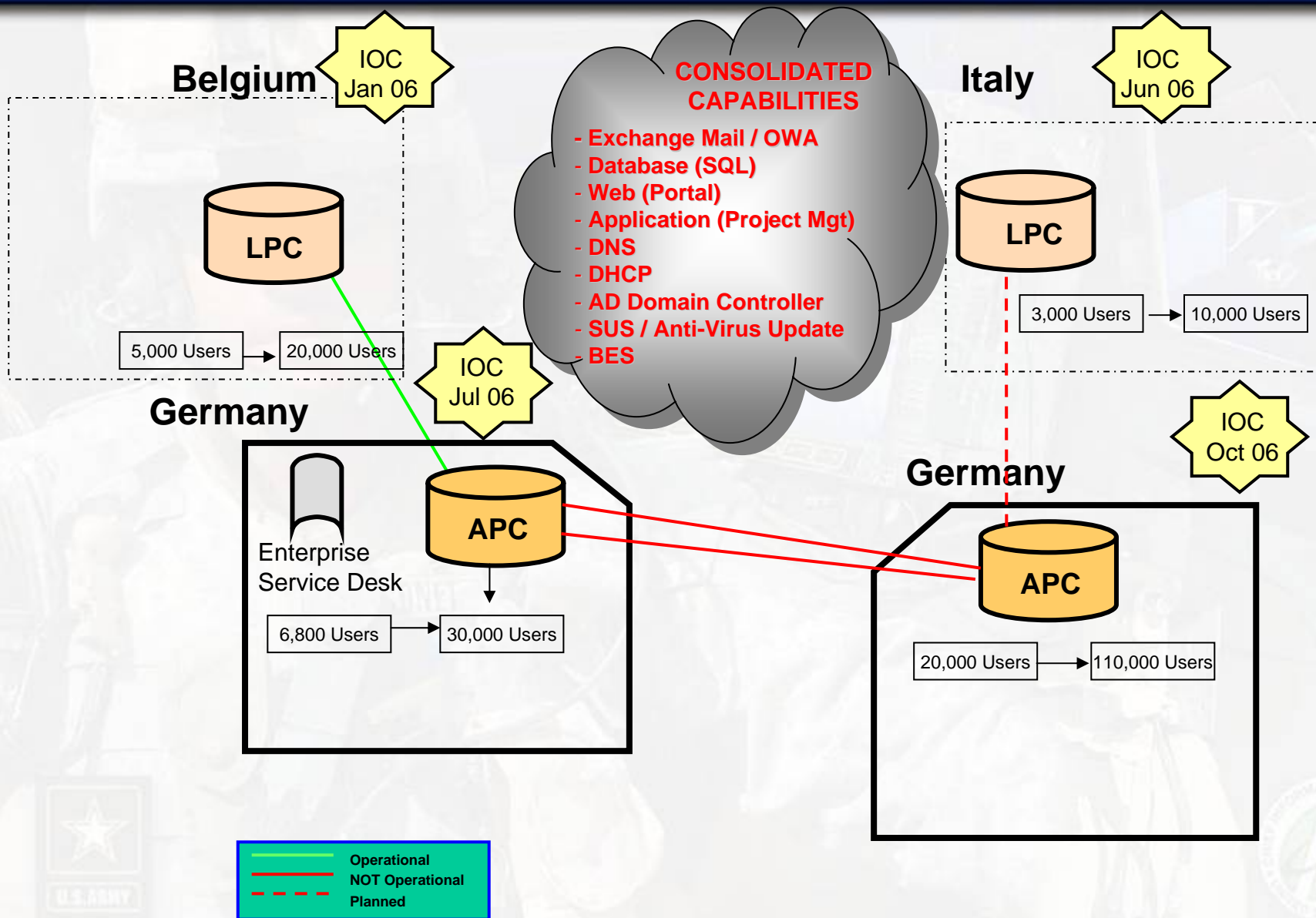




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# Enterprise Concept

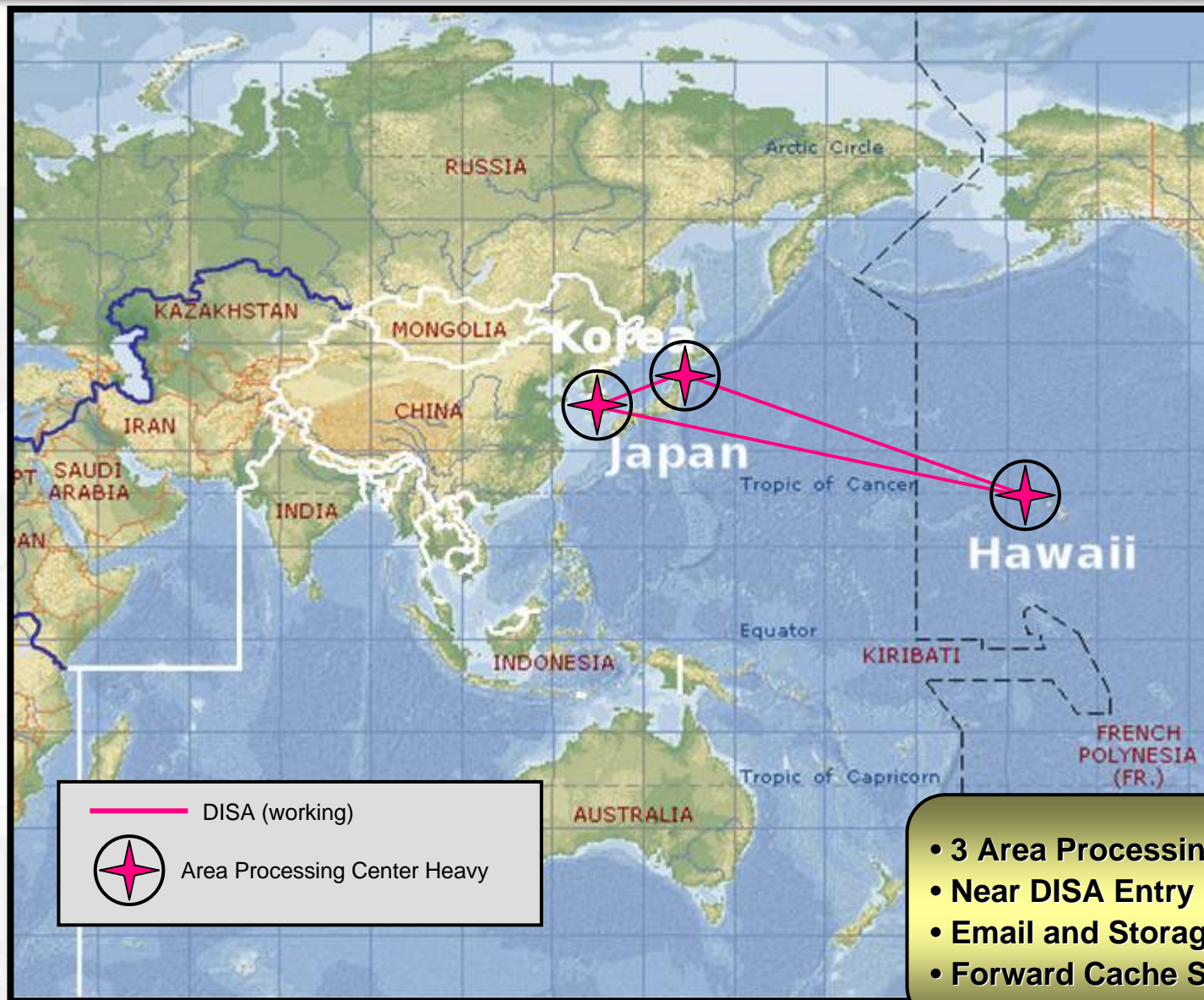






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# PACOM Architecture



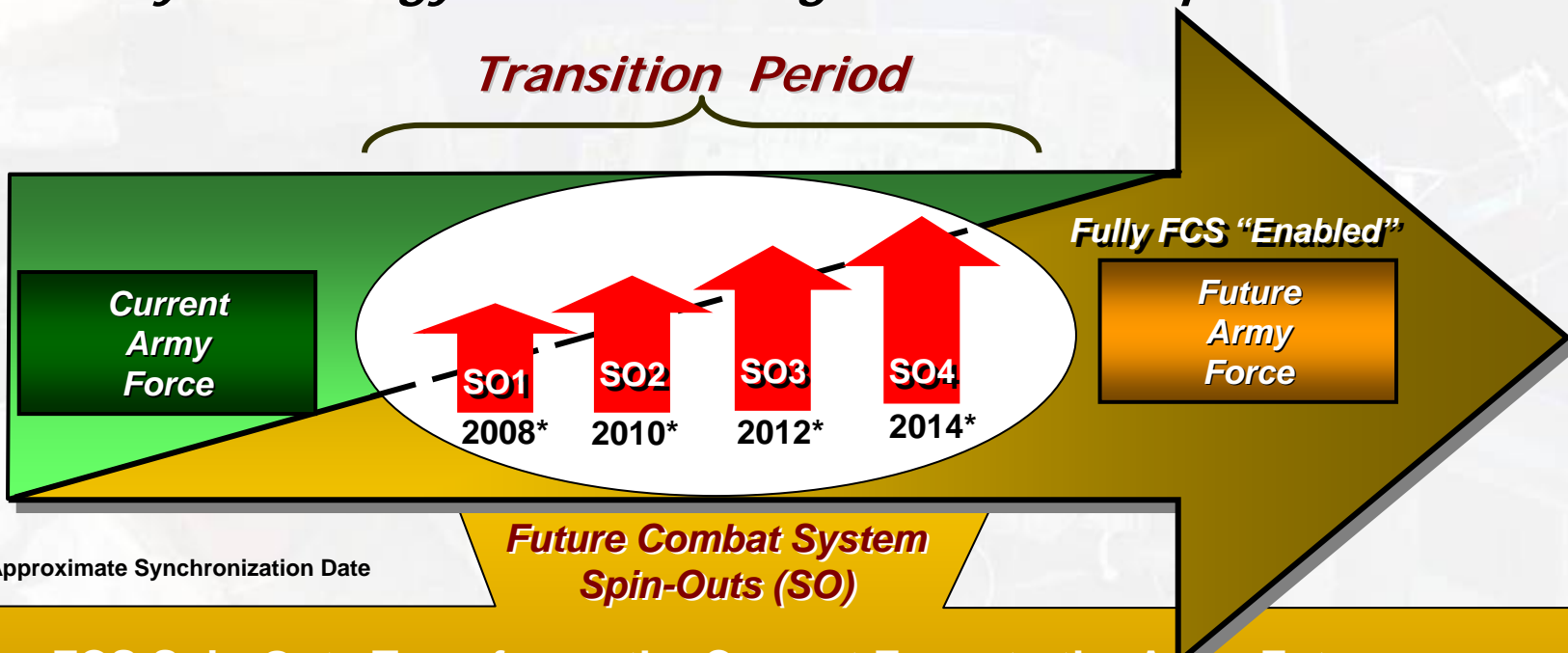


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# Army Campaign Plan

*Transport Layer Strategy fields an Integrated & Interoperable Network*



\* Approximate Synchronization Date

**The FCS Spin-Outs Transforms the Current Force to the Army Future Force and Synchronizes the Transport Layer Strategy**

**WIN-T and JTRS capabilities are fielded into Joint Network Transport Capability – Spirals (JNTC-S) by leveraging the Joint Network Node (JNN) and Battle Command Network Enablers**

- Mobile Subscriber Equipment (MSE) Retires Early
- JNN provides Commercial IP-based Standards for Joint Interoperability

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# EoIP - Doing it NOW!!

**Reset  
3ID**

**FY04**  
Spiral 1



**FY05**  
Spirals 2 - 4



**FY06**



**FY07**

**FY08**

**FY09**

**FY10**

**Reset**



**Operational  
Test**

**Converged..  
..Voice  
..Data  
..Video**

## Accelerating to the Future

**Brigade  
Combat  
Team  
(BCT)**

**The 8<sup>th</sup> division  
is under contract**



• 7<sup>th</sup> Sustainment Bde



SBCT4



525<sup>th</sup>  
BfSB

**Undefined NG Brigades**



	Spiral 5 - 7
	Lot 8
	Lot 9-N

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# EoIP - Doing it NOW!!

**Reset  
3ID**

**FY04**

Spiral 1



**FY05**

Spirals 2 - 4



**FY06**



**FY07**

**FY08**

**FY09**

**FY10**

**Reset**



**Converged..  
..Voice  
..Data  
..Video**

## Accelerating to the Future



**ITSB  
Conversions**

**Regional  
Hubs**

FMTVs/Required  
Dates

3 3 3 3 3 3  
1/5/05 1/5/05 1/5/05 Jun 05 Jun 05 Oct 05



**Qatar**



**Victory**

**Spiral 5 - 7  
Lot 8  
Lot 9-N**



**63rd**



**44th  
Sig Bn**

**392nd  
Sig Bn**



**Regional Hub  
(NETCOM)**



**Regional Hub  
(NETCOM)**



**Regional Hub  
(NETCOM)**

**FY 10-12**



**Regional Hub  
(NETCOM)**



**Regional Hub  
(NETCOM)**

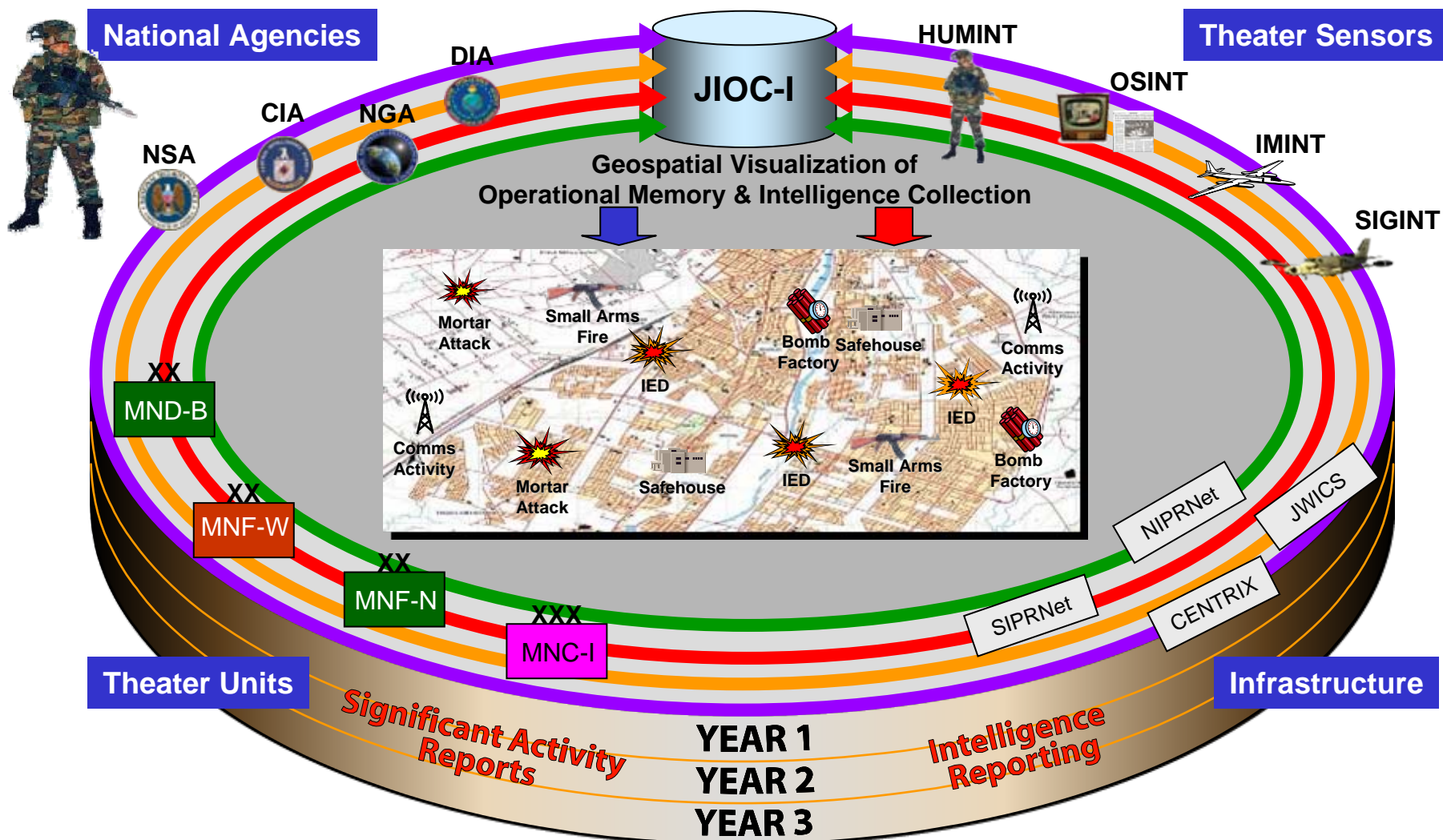




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# Joint Intelligence Operations Capability-Iraq



- Shared Information Across the Networks
- Distributed Analysis & Collaboration
- Enhance Warning, Targeting, Awareness

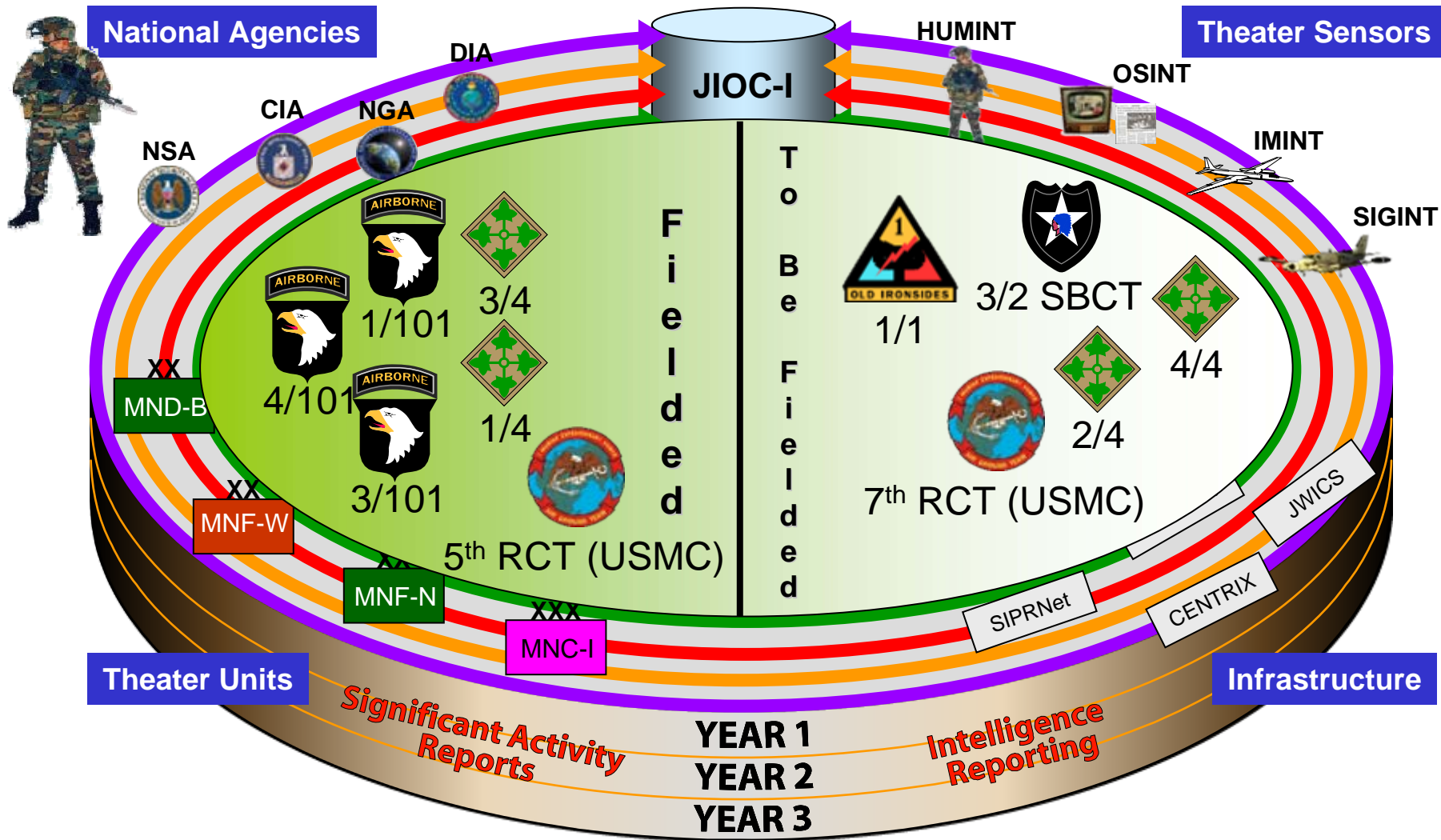
**Insurgents never forget where, when, how & effects!**



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# Joint Intelligence Operations Capability-Iraq



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**Insurgents never forget where, when, how & effects!**





## OPTIMIZING ERP EFFORTS ACROSS THE ARMY ENTERPRISE

The Business Enterprise is Bigger Than Army.

## GCSS-A & LMP



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# Take Away's



**The Army is deployed worldwide**



**Transforming at warp speed**

..structure and a significant infusion of IT

..moving to a CONUS-based Army - 90% of the force will be Home Based in U.S.



**Providing a joint interoperable non-terrestrial network**

..extending the network down to company and battalion level

..JNN-based JIOC-I

..next – the Soldier



**Transforming to commercial standards (IP)**

..IP-based factory to foxhole

..converging information services - - voice, data, video....

..commercial equipment - switches, routers...



**Implementing lean solutions - - reducing total cost of ownership**

..reducing Army Area Processing Centers worldwide

..implementing enterprise services and solutions



**We can't do it alone – we need your help!**

...accomplished much

...much still to do!!!





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# QUESTIONS • THOUGHTS



**LTG Steven W. Boutelle**

*Chief Information Officer/G-6*

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